

CERTIFICATE OF CONFORMITY

Project NO. :	ZTDLH2022-2810	Length:	3200	m
Type:	OPGW - 24G652-AST-80[60.4;54.0]	G.W.:	1580	kg
Test By:	No.9	N.W.:	1392	kg
Manufacturing date:	2022/12/22	Drum NO.:	1	

All the test results meet the technical requirements of IEC60794-4-10,IEEE1138 etc.

Quality Control Dept.

杭州益睿电线电缆有限公司
HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.

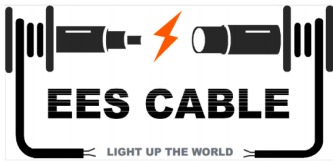
OPGW ROUTINE TEST REPORT

1.Component Wire AS Wire

Item	Unit	Standard Requirement	Test result	Judgment
Diameter	mm	2.70±0.04	2.71	Qualified
Tensile Strength	Mpa	≥1340	1398	Qualified
Elongation at breaking	%	≥1.5	1.8	Qualified
20°C Resistivity	nΩ·m	≤84.80	81.21	Qualified
Twist	cycles	≥20	42	Qualified
Min. thickness of aluminium	mm	≥0.135	0.157	Qualified
Item	Unit	Standard Requirement	Test result	Judgment
Diameter	mm	2.70±0.04	2.71	Qualified
Tensile Strength	Mpa	≥880	935	Qualified
Elongation at breaking	%	≥1.5	1.8	Qualified
20°C Resistivity	nΩ·m	≤57.47	55.15	Qualified
Twist	cycles	≥20	40	Qualified
Min. thickness of aluminium	mm	≥0.202	0.212	Qualified

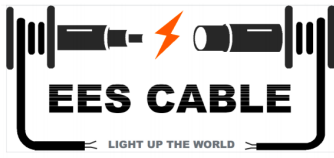
2.Finished OPGW

Item	Unit	Standard Requirement	Test result	Judgment
Overall Diameter	mm	11.60± 0.12	11.61	Qualified
Unit weight	kg/km	435±8.7	434.5	Qualified
Lay ratio(Outer Layer)	/	10~14	13.28	Qualified
Derection of outer Layer	/	Left	Left	Qualified
Surface Condition	/	OK	OK	Qualified



3.Optical Performance

Drum No.	1	Type	OPGW - 24G652-AST-80[60.4;54.0]		Length (m)	3200
OP-UNIT No.	Color ring	fiber color	Attenuation(dB/km)			
			1310nm	1550nm		
		Specification	≤0.35	≤0.21		
1	/	Blue	0.341	0.191		
		Orange	0.338	0.187		
		Green	0.338	0.186		
		Brown	0.338	0.189		
		Gray	0.341	0.189		
		White	0.343	0.192		
		Red	0.336	0.186		
		Nature	0.333	0.186		
		Yellow	0.342	0.191		
		Violet	0.338	0.187		
		Pink	0.338	0.195		
		Aqua	0.340	0.191		
	S150	Blue	0.338	0.189		
		Orange	0.341	0.189		
		Green	0.339	0.190		
		Brown	0.338	0.196		
		Gray	0.341	0.191		
		White	0.338	0.191		
		Red	0.336	0.195		
		Nature	0.336	0.186		
		Yellow	0.341	0.189		
		Violet	0.338	0.189		
		Pink	0.341	0.188		
		Aqua	0.338	0.187		
Conclusion:	qualified	Test by:	NO.9	Test date:	2022年12月22日	



Hangzhou Easy Electric Wire and Cable Co.,LTD

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4.Packing List

Serial number	Drum number	Net length(m)	require length(m)
01	1	3200	3200

(1)Test Standard: IEC60794-4-10,IEEE1138 etc.

(2)Conclusion: The above goods after tested are QUALIFIED PRODUCTS according to the requirement of technical specification. Allowed to leave the factory.

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